

# Data Sheet

We make sure



## ESPRIMO Q5030 E-Star4

The mini with more PC per cm<sup>3</sup>

Issue: December 2008

Fujitsu Siemens Computers is the leading European IT manufacturer. With a strategic focus on innovative mobility and the dynamic data center, we offer a unique range of products and services from notebooks and desktops to servers and IT infrastructure solutions. Famous German engineering and exceptional in-house quality testing capabilities in our test centers ensure extraordinary product quality and reliability across all product lines.

### ESPRIMO Q5030 E-Star4

A real eye-catcher on your desk - the extremely small and stylish ESPRIMO Q. This fully equipped next generation PC has a volume of just 1.4 liters. State-of-the-art Intel® Centrino Mobile technology meets all the requirements placed on a professional desktop computer - with minimal energy consumption and minimal noise.

### Modern business PC

Eye-catcher on every desk with a modern and exclusive design

- Mini PC with only 1.4 liter volume, 1.7 kg light

### Energy-saving

Reduced power costs and consumption are easy on the budget.

- State-of-the-art Intel® Centrino Mobile technology

### Small yet versatile

Large choice of components to meet all demands.

- Up to 4 GB memory, 250 GB hard drive, 6 USB ports



## Components

<b>Processor</b>	Intel® Core™2 Duo P8400 (2.26 GHz, 3 MB, 1066 MHz) Intel® Core™2 Duo T5670 (1.8 GHz, 2 MB, 800 MHz) Intel® Celeron® 575 (2.0 GHz, 1 MB, 667 MHz)
<b>Memory modules</b>	2 GB (1 module(s) with 2 GB, DDR2), 800 MHz 2 GB (1 module(s) with 2 GB, DDR2), 667 MHz 1 GB (1 module(s) with 1 GB, DDR2), 800 MHz 1 GB (1 module(s) with 1 GB, DDR2), 667 MHz
<b>Hard disk drives (internal)</b>	SATA, 5400 rpm, 250 GB, 2.5-inch SATA, 5400 rpm, 160 GB, 2.5-inch
Hard disk notes	Supporting NCQ and 3 GBit
<b>Modular bay options</b>	DVD Super Multi Slot-in slim
<b>Interface add on cards/components (optional)</b>	Bluetooth 2.0 (optional) Atheros Minicard b/g/n
<b>Base unit</b>	<b>ESPRIMO Q5030 E-Star4</b>
<b>Mainboard</b>	
Formfactor	proprietary
Chipset	Intel® GM45, ICH 9-M
Processor socket	Socket P
Processor quantity maximum	1
System bus (FSB / HT / QPI)	1066 MHz
Memory slots	2 SODIMM
Supported capacity RAM (max.)	4 GB
Memory frequency	667 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)
LAN	10/100/1000 MBit/s Intel® 82567LF
WLAN	optional
BIOS version	Phoenix Award BIOS
BIOS features	BIOS Flash EPROM update by software Recovery BIOS
Audio codec	Realtek ALC888
Audio features	High Definition audio
<b>I/O controller on board</b>	
Serial ATA total	3
thereof eSATA	1
Controller functions	Serial ATA II 3 GBit AHCI
<b>Interfaces</b>	
Audio: line-in / microphone	1
Audio: line-in	1
Audio: line-out / headphones / SPDIF	1 (optical)
Front audio: headphone	-
Front audio: line-in / microphone	-
USB 2.0 total	6
USB front	2
USB rear	4
USB internal	-
VGA	via DVI to VGA-Adapter
DVI	1
Mouse / Keyboard (PS/2)	-
S-Video out (TV-out)	-
Ethernet (RJ-45)	1
<b>Input device / components</b>	Optical USB tilt wheel mouse
<b>Drive bays</b>	
Drive bays total	2
2.5-inch bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in
<b>Graphic on board</b>	
Graphics brand name	Mobile Intel® GMA 4500M HD
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -

<b>Graphic on board</b>	
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphic notes	Shared memory depending on driver Resolution (color depth up to 32 Bit/pixel) For TFT we recommend to use 60Hz.
<b>Electrical values</b>	
Rated frequency range	50 - 60 Hz
Operating voltage range	100 - 240 V (AC Input)
Max. output of power supply	90 W
<b>Power consumption</b>	
Power consumption note	see white paper Energy Consumption
Link to Energy White Paper	<a href="http://docs.fujitsu-siemens.com/dl.aspx?id=f30db8d0-199a-450c-8fca-90ee397d03c9">http://docs.fujitsu-siemens.com/dl.aspx?id=f30db8d0-199a-450c-8fca-90ee397d03c9</a>
<b>Heat dissipation</b>	
Heat dissipation notes	see white paper Energy Consumption
<b>Noise for standard configuration (HDD, ODD, FDD)</b>	
Noise emission	According to ISO9296
Noise Operation mode 1: ODD load (Blue angel requirement)	4.5 B / 31 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.2 B / 16 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.8 B / 23 dB(A)
Noise Operation mode 4: High load	3.7 B / 22 dB(A)
Noise Operation mode 5: Office applications	3.2 B / 16 dB(A)
Idle mode (Blue Angel requirement)	3,3 B / 16 dB(A)
Noise notes / description	Noise for standard configuration CPU, HDD, ODD; A weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), (bystander position) (ISO9296)
<b>Dimensions / Weight / Environmental</b>	
Dimension (W x D x H)	165 x 165 x 50 mm
Operating position	Horizontal
Weight	approx. 1.7 kg
Weight notes	Weight may vary depending on actual configuration.
Operating ambient temperature	5 - 35°C
<b>Compliance</b>	
Europe	CE Nordic Swan
USA/Canada	UL CSA
Global	Energy Star 4.0 RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
Compliance link	<a href="https://sp.fujitsu-siemens.com/sites/certificates/default.aspx">https://sp.fujitsu-siemens.com/sites/certificates/default.aspx</a>
<b>Operating system</b>	
Operating system optional preinstalled	Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Home Premium Microsoft® Windows Vista® Business 32bit TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system compatible	Microsoft® Windows® XP Home Microsoft® Windows® XP Professional Microsoft® Windows Vista® Business 32bit
Operating system notes	Windows Vista® Premium Logo: min. 1 GB RAM necessary.
<b>Additional Software</b>	
Additional software (preinstalled)	Nero 8 Essentials S
Additional software (optional)	Recovery DVD (Windows® XP / Windows Vista®) Drivers & Utilities DVD (DUDVD) Windows Vista® Drivers & Utilities DVD (DUDVD) Windows® XP
Additional software (included as a CD/DVD)	Nero Essentials (burning software)
<b>Manageability</b>	
Manageability features	DeskView Migrate (optional) DeskView Control (optional) PXE 2.1 Boot code Wake up from S5 (off mode)

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## Manageability

DeskView features	Detailed system inventory management and reports WoL (Wake on LAN)
Manageability link	<a href="http://www.fujitsu-siemens.com/manageability">http://www.fujitsu-siemens.com/manageability</a> <a href="http://www.altiris.com/fsc">http://www.altiris.com/fsc</a>

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## Security

Physical security	Kensington Lock support
System security	Boot sector virus protection
User security	User and supervisor BIOS password Optional: Access protection via external SmartCard reader

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## Packaging information

Packaging dimension	395x198x284 mm
Max. quantity / pallet	84
Material - Weight (g) Carton	670g
Material - Weight (g) EPS / PS	appr. 10 g
Material - Weight (g) PE	appr. 125 g
Packaging notes	printed user documentation is bleached in chlorin free process

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## Warranty

### Maintenance and Support Services - the perfect extension

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	<a href="http://www.fujitsu-siemens.com/Supportservice">www.fujitsu-siemens.com/Supportservice</a>



2008 OEM HARDWARE SOLUTIONS  
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Device Manufacturing



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